

Docket No. 263742000201

Client Reference No.: REP06021US

CERTIFICATE OF MAILING BY "EXPRESS MAIL"

I hereby certify that this correspondence is being deposited with the U.S. Postal Service as Express Mail, Airbill No. EV332779886US, in an envelope addressed to: Mail Stop AF, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450, on the date shown below.

Dated: April 8, 2004

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In the application of:

Bruce J. ROSER et al.

Serial No.:

09/836,625

Filing Date:

April 16, 2001

For:

METHODS OF PREVENTING

AGGREGATION OF VARIOUS

SUBSTANCES UPON REHYDRATION

OR THAWING AND COMPOSITIONS

OBTAINED THEREBY

Examiner: M. Davis

Group Art Unit: 1642

SUPPLEMENTAL INFORMATION DISCLOSURE **STATEMENT UNDER 37 C.F.R. § 1.97 & 1.98**

Mail Stop AF Commissioner for Patents P.O. Box 1450 Alexandria, Virginia 22313-1450

Dear Sir:

Pursuant to 37 C.F.R. § 1.97 and § 1.98, Applicants submit for consideration in the above-identified application the documents listed on the attached Form PTO-1449. Copies of the documents are also submitted herewith. I hereby certify that each item of information was first documents are also submitted herewith. I hereby certify that each item of information was first cited in any communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of this Supplemental Information Disclosure Statement. The Examiner is requested to make these documents of record.

	This !	Supplemental Information Disclosure Statement is submitted:				
	With	the application; accordingly, no fee or separate requirements are required.				
	Befor	re the mailing of a first Office Action after the filing of a Request for Continued				
	Exam	ination under § 1.114. However, if applicable, a certification under 37 C.F.R. §				
	1.97(e)(1) has been provided.				
	Withi	n three months of the application filing date or before mailing of a first Office				
	Actio	n on the merits; accordingly, no fee or separate requirements are required.				
	Howe	ever, if applicable, a certification under 37 C.F.R. § 1.97(e)(1) has been provided.				
	After	receipt of a first Office Action on the merits but before mailing of a final Office				
	Action or Notice of Allowance.					
		A fee is required. A check in the amount of is enclosed.				
		A fee is required. Accordingly, a Fee Transmittal form (PTO/SB/17) is attached				
		to this submission in duplicate.				
		A Certification under 37 C.F.R. § 1.97(e) is provided above; accordingly; no fee				
		is believed to be due.				
\boxtimes	After	mailing of a final Office Action or Notice of Allowance, but before payment of the				
	issue	fee.				
		A Certification under 37 C.F.R. § 1.97(e) is provided above and a check in the				
		amount of is enclosed.				
	\boxtimes	A Certification under 37 C.F.R. § 1.97(e) is provided above and a Fee Transmitta				
		form (PTO/SB/17 is attached to this submission in duplicate.)				

Applicants would appreciate the Examiner initialing and returning the Form PTO-1449, indicating that the information has been considered and made of record herein.

The information contained in this Information Disclosure Statement under 37 C.F.R. § 1.97 and § 1.98 is not to be construed as a representation that: (i) a complete search has been made; (ii) additional information material to the examination of this application does not exist; (iii) the information, protocols, results and the like reported by third parties are accurate or enabling; or (iv) the above information constitutes prior art to the subject invention.

In the unlikely event that the transmittal form is separated from this document and the Patent Office determines that an extension and/or other relief (such as payment of a fee under 37 C.F.R. §1.17(p)) is required, Applicants petition for any required relief including extensions of time and authorize the Commissioner to charge the cost of such petitions and/or other fees due in connection with the filing of this document to **Deposit Account No. 03-1952** referencing 263742000201. However, the Commissioner is not authorized to charge the cost of the issue fee to the Deposit Account.

Dated: April 8, 2004

Respectfully submitted,

By

Shantanu Basu

Registration No. 43,318

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755 Page Mill Road

Palo Alto, California 94304-1018

Telephone: (650) 813-5995 Facsimile: (650) 494-0792

Form PTO-1449				Docket Number 263742000201		Application Number 09/836,625			
IN AN APPLICATION				Applicant Bruce J. ROSER et al.					
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	1.	07/03/1984	4,457,916	Hay	ashi et al.				:
FOREIGN PATENT DOCUMENTS									
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	2.	03/19/1997	EP 0 762 897	Eur	ope				
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Examiner Initials									
	3. Arakawa, T. et al. (1993). "Factors Affecting Short-Term and Long-Term Stabilities of Proteins," Advanced Drug Delivery Reviews 10:1-28.							ns,"	
	4. Carpenter, J. F. et al. (1990). "Comparison of Solute-Induced Protein Stabilization in Aqueous Solution and in the Frozen and Dried States," <i>J. Dairy Sci.</i> 73(12):3627-3636.							S	
	5.	Colaco, C.A.L. S. et al. (1994). "Chemistry of Protein Stabilization by Trehalose" Chapter 14 <i>In</i> Formulation and Delivery of Proteins and Peptides, Cleland, J. L. et al. eds. American Chemical Society: Washington, DC. pp. 222-240.							
	6.	Crowe, J.H. et al. (1990). "Are Freezing and Dehydration Similar Stress Vectors? A Comparison of Modes of Interaction of Stabilizing Solutes with Biomolecules," <i>Cryobiology</i> 27:219-231.							
	7.	Darnell, J. et al. eds. (1986). Molecular Cell Biology Scientific American Books, Inc. pp. 59.							
	8.	De Young, L.R. et al. (1993). "Aggregation and Denaturation of Apomyoglobin in Aqueous Urea Solutions," <i>Biochemistry</i> 32:3877-3886.							
	9.	Heitefuss, R. et al. (1959). "The Stabilization of Extracts of Cabbage Leaf Proteins by Polyhydroxy Compounds for Electrophoretic and Immunological Studies," <i>Archives of Biochemistry and Biophysics</i> 85:200-208.							
	10.								
	Manning, M.C. et al. (1989). "Stability of Protein Pharmaceuticals," <i>Pharmaceutical Research</i> 6(11):903-917.								h
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RADEMAR	12.	Newman, Y.M. et al. (1993). "The Role of Trehalose and Other Carbohydrates in Biopreservation," <i>Biotechnology and Genetic Engineering Reviews</i> 11(5):263-294.					
	13.	ic L6, a Mouse-Human					
	14.	Pikal, M.J. (1991). "Freeze-Drying of Technology International pp. 40-43.	Proteins: Part II: Formulation	Selection," Pharmaceutical			
	15.	Prestrelski, S.J. et al. (1993). "Dehydi Inhibition by Stabilizers," <i>Biophysica</i>	ration-Induced Conformational Journal 65:661-671.	on-Induced Conformational Transitions in Proteins and Their urnal 65:661-671.			
	16.	Schwartz, P.L. et al. (1973). "The Ag Freezing and Thawing," <i>Endocrinology</i>	ggregation of [125 I] Human Growth Hormone in Response to ogy 92(6):1795-1798.				
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DATE CONSIDERED:

EXAMINER: Initial if citation considered, whether or not the citation conforms with MPEP 609. Draw a line through the citation if not in conformance and not considered. Include a copy of this form with next communication to applicant.

04-12-04

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Approved for use through 07/31/2006. OMB 0651-0031 U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number. **Application Number** 09/836,625 Filing Date TRANSMITTAL April 16/2001 First Named Inventor **FORM** Bruce J. ROSER Art Unit 1642 (to be used for all correspondence after initial filing) **Examiner Name** M. Davis 10 + 16 Attorney Docket Number 263742000201 Total Number of Pages in This Submission Refs ENCLOSURES (Check all that apply) After Allowance Communication Fee Transmittal Form (1 page in Drawing(s) to Group duplicate) Appeal Communication to Board of Fee Attached Licensing-related Papers Appeals and Interferences Appeal Communication to Group Amendment/Reply Petition (Appeal Notice, Brief, Reply Brief) Petition to Convert to a After Final Proprietary Information Provisional Application Power of Attorney, Revocation Status Letter Affidavits/declaration(s) Change of Correspondence Address Other Enclosure(s) (please Extension of Time Request Terminal Disclaimer identify below): 1. Form PTO-1449 (2 pages Express Abandonment Request Request for Refund in duplicate) 2. References (16) Information Disclosure Statement (3 3. Return receipt postcard CD, Number of CD(s) pages) Certified Copy of Priority Document(s) Remarks Response to Missing Parts/ Incomplete Application Response to Missing Parts under 37 CFR 1.52 or 1.53 SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT Firm MORRISON & FOERSTER LLP (Customer No. 25226) Shantanu Basu - 43.318 Individual name Signature Date April 8, 2004 I hereby certify that this correspondence is being deposited with the U.S. Postal Service as Express Mail, Airbill No. EV332779886US, in an envelope addressed to: Mail Stop AF, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450, on the date shown below. Dated: April 8, 2004 (Tia B. Zimmerman) Signature:

PTO/SB/17 (10-03) Approved for use through 7/31/2006. OMB 0651-0032 U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE La er the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number. Complete if Known **TRANSMITTAL** 09/836,625 **Application Number** Filing Date April 16, 2001 for FY 2004 Bruce J. ROSER First Named Inventor Effective 10/01/2003, Patent fees are subject to annual revision. **Examiner Name** M. Davis Applicant claims small entity status. See 37 CFR 1.27 1642 Art Unit TOTAL AMOUNT OF PAYMENT 263742000201 180.00 Attorney Docket No. METHOD OF PAYMENT (check all that apply, FEE CALCULATION (continued) 3. ADDITIONAL FEES Check None Order X Deposit Account Large Entity Small Entity Deposit 03-1952 Fee Fee Fee Fee Description Code (\$) (\$) Code Fee Paid Number Deposit 1051 130 2051 65 Surcharge - late filing fee or oath Morrison & Foerster LLP Account Name Surcharge - late provisional filing fee or cover 1052 50 2052 25 The Director is authorized to: (check all that apply) Charge fee(s) indicated below X Credit any overpayments 1053 130 1053 130 Non-English specification x Charge any additional fee(s) or any underpayment of fee(s) 1812 2.520 1812 2,520 For filing a request for ex parte reexamination Requesting publication of SIR prior to 1804 9201 1804 920* Charge fee(s) indicated below, except for the filing fee Examiner action Requesting publication of SIR after to the above-identified deposit account. 1.840 1,8401 1805 1805 Examiner action **FEE CALCULATION** 1251 110 2251 Extension for reply within first month 1. BASIC FILING FEE 420 2252 1252 210 Extension for reply within second month Large Entity Small Entity 1253 2253 950 475 Extension for reply within third month Fee Fee Fee Fee Description Fee Paid 2254 1254 1.480 740 Extension for reply within fourth month Code (\$) Code 1001 770 2001 385 Utility filing fee 1255 2.010 2255 1.005 Extension for reply within fifth month 340 1002 2002 170 Design filing fee 1401 330 2401 Notice of Appeal 1003 530 2003 265 Plant filing fee 1402 330 2402 Filing a brief in support of an appeal 1004 770 2004 385 Reissue filing fee 1403 290 2403 Request for oral hearing 1005 160 2005 80 Provisional filing fee 1451 1,510 1451 1,510 Petition to institute a public use proceeding 1452 110 2452 55 Petition to revive - unavoidable SUBTOTAL (1) (\$) 0.00 1453 1,330 2453 665 Petition to revive - unintentional 2. EXTRA CLAIM FEES FOR UTILITY AND REISSUE 1501 1,330 2501 Utility issue fee (or reissue) Fee from 1502 480 2502 240 Design issue fee Fee Paid Claims below 320 Total Claims 11 -42** = 0 18 0.00 1503 640 2503 Plant issue fee Independent 3 -5** 0 86 1460 130 1460 130 Petitions to the Commissioner 0.00 Claims Multiple Dependent 290 0.00 1807 50 1807 50 Processing fee under 37 CFR 1.17(g) 180 1806 180.00 1806 180 Submission of Information Disclosure Stmt Large Entity Small Entity Recording each patent assignment per 40 8021 40 Fee Description 8021 Code (\$) Code (5) property (times number of properties) Filing a submission after final rejection 1202 2202 18 9 Claims in excess of 20 1809 770 2809 385 (37 CFR 1.129(a)) 1201 86 2201 43 Independent claims in excess of 3 For each additional invention to be 1810 770 2810 385 1203 290 2203 Multiple dependent claim, if not paid examined (37CFR 1.129(b)) 1204 86 2204 43 Reissue independent claims 1801 770 2801 385 Request for Continued Examination (RCE) over original patent Request for expedited examination 1802 900 1802 900 1205 2205 Reissue claims in excess of 20 18 of a design application and over original patent Other fee (specify) SUBTOTAL (2) (\$) 0.00 *Reduced by Basic Filing Fee Paid SUBTOTAL (3) (\$) 180.00 *or number previously paid, if greater; For Reissues, see above

SUBMITTED BY	(Complete	(Complete (if applicable))		
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Signature Theuten Lan			Date	April 8, 2004